| L Number | _ | Search Text | DB | Time stamp |
|----------|---------|--|--|-------------------------------|
| 1 | 2 | (temporary) same (back near side near5 etch\$3) | USPAT: US-PGPUB | 2002/11/05 14:44 |
| 2 | 10867 | (field near oxide or "FOX") same etch\$3 | USPAT: US-PGPUB: EPO: JPO: DERWENT: IBM_TDB | 2002/11/05 15:05 |
| 3 | 11 | ((field near oxide or "FOX") same etch\$3) same (back near side near etch\$3) | USPAT: US-PGPUB: EPO: JPO: DERWENT: IBM_TDB | 2002/11/05 14:47 |
| 4 | 0 | (((field near oxide or "FOX") same etch\$3) same (back near side near etch\$3)) same protective | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM, TDB | 2002/11/05 14:48 |
| 5 | 11 | (((field near oxide or "FOX") same etch\$3) same (back near side near etch\$3)) and (protect\$3 near film or layer) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/05 14:49 |
| 6 | 509 | ((field near oxide or "FOX") same etch\$3) and (protective near layer) | USPAT: US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/05 15:06 ¹ |
| 7 | 145 | (((field near oxide or "FOX") same etch\$3) and (protective near layer)) and (back near3 etch\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/05 15:26 |
| 8 | 5 | ((((field near oxide or "FOX") same etch\$3) and (protective near layer)) and (back near3 etch\$3)) and ((fluid near eject\$3) or (print near head)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/05 15:08 |
| 9 | 130 | ((((field near oxide or "FOX") same etch\$3) and (protective near layer)) and (back near3 etch\$3)) and (mask\$3 or capp\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/05 15:35 |
| 10 | 82 | (((((field near oxide or "FOX") same etch\$3) and (protective near layer)) and (back near3 etch\$3)) and (mask\$3 or capp\$3)) and (hole or oppen\$3 or groove or (through near hole)) | US-PGPUB; US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 2002/11/05 15:56 |
| 11 | 4722929 | open\$3 or slot or hole or through near hole | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/05 16:05 |
| 12 | 84836 | (open\$3 or slot or hole or through near hole) and (ink or fluid near eject\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/11/05 16:06 |
| 13 | 41396 | (open\$3 or slot or hole or through near hole) same (ink or fluid near eject\$3) | USPAT; US-PGPUB; EPO: JPO; DERWENT; IBM_TDB | 2002/11/05 16:17 |
| 14 | 30907 | ((open\$3 or slot or hole or through near hole) same (ink or fluid near eject\$3)) and (fill\$3 same trench or open\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB_ | 2002/11/05 16:11 |

| 15 | 17 | (((open\$3 or slot or hole or through near hole) same (ink or fluid near eject\$3)) and (fill\$3 same trench or open\$3)) and (back near side near etch\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/05 16:40 |
|----|------|---|--|------------------|
| | | | IBM_TDB | |
| 16 | 2335 | plug same (back near3 etch\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/05 16:41 |
| | | | IBM TDB | |
| 17 | 3949 | (plug or protect\$3) same (back near3 etch\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/05 16.42 |
| 18 | 1904 | ((plug or protect\$3) same (back near3 etch\$3)) same (slot or open\$3 or hole) | IBM_TDB USPAT; US-PGPUB; | 2002/11/05 16:43 |
| | | openso of note; | EPO; JPO; DERWENT; IBM TDB | |
| 19 | 1248 | (((plug or protect\$3) same (back near3 etch\$3)) same (slot or open\$3 or hole)) and @pd<20010622 | USPAT; US-PGPUB; EPO; JPO; | 2002/11/05 16:44 |
| | | | DERWENT; | |
| 20 | 59 | ((((plug or protect\$3) same (back near3 etch\$3)) same (slot or | IBM_TDB USPAT; | 2002/11/05 16:45 |
| 20 | 39 | open\$3 or hole)) and @pd<20010622) and (eject\$3 or print\$3) | US-PGPUB: | 2002/11/05 10:45 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM_TDB | |
| - | 0 | (hole near5 plug) same (back near side near5 etch\$3) | USPAT; | 2002/11/05 14:39 |
| - | 938 | (back near side near5 etch\$3) | US-PGPUB USPAT; | 2002/11/04 17:09 |
| - | 44 | ((back near side near5 etch\$3)) and (hole same (front near surface)) | US-PGPUB USPAT; US-PGPUB | 2002/11/04 17:11 |
| - | 25 | (((back near side near5 etch\$3)) and (hole same (front near | USPAT; | 2002/11/04 17:12 |
| _ | 2 | surface))) and @pd<20010622 (("5734399") or ("0463413")).PN. | US-PGPUB USPAT; | 2002/11/05 08:35 |
| | _ | | US-PGPUB | |
| - | 2 | (("5734399") or ("5463413")).PN. | USPAT; US-PGPUB | 2002/11/05 08:37 |
| - | 1892 | plug same (back near3 etch\$3) | USPAT; | 2002/11/05 08:38 |
| | 2335 | plug same (back near3 etch\$3) | US-PGPUB USPAT: | 2002/11/05 09:17 |
| _ | 2000 | plug dume (buok neuro etempo) | US-PGPUB: | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM_TDB | 000044405.00.40 |
| - | 2 | (plug same (back near3 etch\$3)) and ((print near head) or (fluid near ejection)) | USPAT; US-PGPUB; | 2002/11/05 08:40 |
| | | (maid fiear ejection)) | EPO; JPO; | |
| | | | DERWENT; IBM_TDB | |
| - | 832 | (plug same (back near3 etch\$3)) and trench | USPAT: | 2002/11/05 08:45 |
| | | (F.03 | US-PGPUB: | |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM_TDB | |
| - | 498 | ((plug same (back near3 etch\$3)) and trench) and | USPAT; US-PGPUB; | 2002/11/05 09:45 |
| | | @pd<20010622 | EPO: JPO; | |
| | | | DERWENT: | |
| | | <u> </u> | IBM_TDB | |
| | | | | |

| - | 139 | (((plug same (back near3 etch\$3)) and trench) and @pd<20010622) and (remov\$3 near5 plug) | USPAT; US-PGPUB; EPO: JPO; | 2002/11/05 08:47 |
|---|--------|--|--|------------------|
| - | 31 | (((plug same (back near3 etch\$3)) and trench) and @pd<20010622) and (eject\$3 or print\$3) | DERWENT: IBM_TDB USPAT; US-PGPUB: | 2002/11/05 10:00 |
| | | Sept - 200 10022) and (ejector of printoo) | EPO; JPO; DERWENT; IBM TDB | |
| - | 150958 | (hole or open\$3) same plug | USPAT: US-PGPUB: EPO; JPO; | 2002/11/05 10:02 |
| - | 44 | ((hole or open\$3) same plug) and (etch\$3 near3 (back near side)) | DERWENT: IBM_TDB USPAT; US-PGPUB: | 2002/11/05 11:29 |
| | | | EPO; JPO; DERWENT; IBM_TDB | |
| - | 33079 | (slot or through near hole) same (die or wafer) | USPAT; US-PGPUB; EPO; JPO; | 2002/11/05 11:32 |
| | | | DERWENT: IBM TDB | |
| - | 22 | ((slot or through near hole) same (die or wafer)) same ((back near side) near3 etch\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT: | 2002/11/05 12:07 |
| - | 44 | (plug same (back near3 etch\$3)) and ((slot or through near hole) same (die or wafer)) | IBM_TDB USPAT; US-PGPUB; | 2002/11/05 12:07 |
| | | | EPO; JPO; DERWENT; IBM_TDB | |

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|-----------------|--------------|---|---|--------------------------------|
| L Number . 1 | | Search Text (("5734399") or ("0463413")).PN. | DB USPAT: | Time stamp 2002/11/05 08:35 |
| 4 | 2 | (("5734399") or ("5463413")).PN. | US-PGPUB USPAT: US-PGPUB | 2002/11/05 08:37 |
| 5 | 1892 | plug same (back near3 etch\$3) | USPAT: | 2002/11/05 08:38 |
| 6 | 2335 | plug same (back near3 etch\$3) | US-PGPUB USPAT: US-PGPUB: EPO: JPO: | 2002/11/05 09:17 |
| 7 | 2 | (plug same (back near3 etch\$3)) and ((print near head) or (fluid near ejection)) | DERWENT, IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/05 08:40 |
| 8 | 832 | (plug same (back near3 etch\$3)) and trench | IBM_TDB USPAT: US-PGPUB; EPO; JPO; DERWENT: | 2002/11/05 08:45 |
| 9 | 498 | ((plug same (back near3 etch\$3)) and trench) and @pd<20010622 | IBM_TDB USPAT; US-PGPUB: EPO; JPO; DERWENT; | 2002/11/05 09:45 |
| 10 | 139 | (((plug same (back near3 etch\$3)) and trench) and @pd<20010622) and (remov\$3 near5 plug) | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/05 08:47 |
| 11 | 31 | (((plug same (back near3 etch\$3)) and trench) and @pd<20010622) and (eject\$3 or print\$3) | IBM_TDB USPAT: US-PGPUB: EPO; JPO: DERWENT: | 2002/11/05 10:00 |
| 12 | 150958 | (hole or open\$3) same plug | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2002/11/05 10:02 |
| 13 | 44 | ((hole or open\$3) same plug) and (etch\$3 near3 (back near side)) | IBM_TDB USPAT: US-PGPUB: EPO: JPO: DERWENT: | 2002/11/05 11:29 |
| 14 | 33079 | (slot or through near hole) same (die or wafer) | IBM_TDB USPAT: US-PGPUB: EPO: JPO: DERWENT: | 2002/11/05 11:32 |
| 15 | 22 | ((slot or through near hole) same (die or wafer)) same ((back near side) near3 etch\$3) | IBM_TDB USPAT: US-PGPUB; EPO: JPO; DERWENT; | 2002/11/05 12:07 |
| 16 | 44 | (plug same (back near3 etch\$3)) and ((slot or through near hole) same (die or wafer)) | IBM_TDB USPAT: US-PGPUB: EPO; JPO; DERWENT: | 2002/11/05 12:07 |
| - | 0 | (hole near5 plug) same (back near side near5 etch\$3) | IBM_TDB USPAT: | 2002/11/05 08:33 |
| - | 938 | (back near side near5 etch\$3) | US-PGPUB USPAT; | 2002/11/04 17:09 |
| - | 44 | ((back near side near5 etch\$3)) and (hole same (front near | US-PGPUB USPAT; US-PGPUB | 2002/11/04 17:11 |
| Search History | /11/5/02 | surface)) 2.12:16:35.PM Page 1 | US-FORUB | · <u></u> - · . <u></u> |

25 (((back near side near5 etch\$3)) and (hole same (front near surface))) and @pd<20010622

USPAT: US-PGPUB 2002/11/04 17:12